

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
17 March 2005 (17.03.2005)

PCT

(10) International Publication Number  
**WO 2005/024247 A1**

(51) International Patent Classification<sup>7</sup>: F15D 1/12, F16L 1/12, E02D 5/60, B63B 39/00, 21/66, 21/50, E21B 17/01

(74) Agent: W.P. THOMPSON & CO.; Coopers Building, Church Street, Liverpool L1 3AB (GB).

(21) International Application Number:  
PCT/GB2004/003846

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(22) International Filing Date:  
9 September 2004 (09.09.2004)

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(25) Filing Language: English

Published:

(26) Publication Language: English

— with international search report

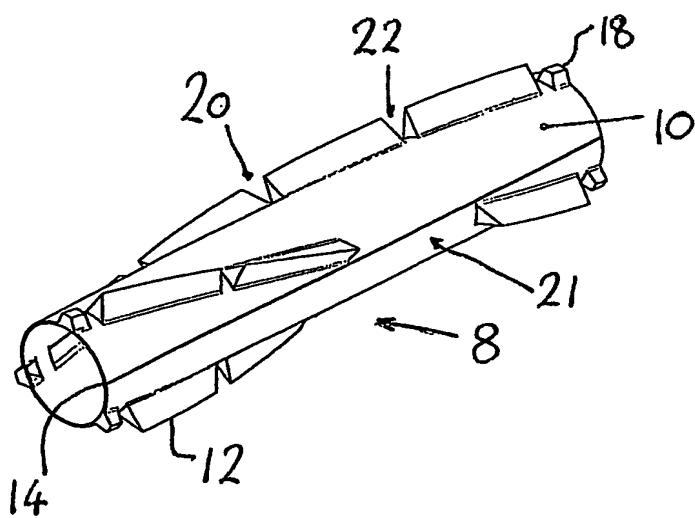
(30) Priority Data:  
0320996.2 9 September 2003 (09.09.2003) GB

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(71) Applicant (for all designated States except US): CRP GROUP LIMITED [GB/GB]; Stanley Way, Stanley, Skelmersdale, Lancashire WN8 8EA (GB).

(72) Inventors; and  
(75) Inventors/Applicants (for US only): TYRER, Andrew, Charles, Ratcliffe [GB/GB]; 55 Victoria Road, Formby, Merseyside L37 1LN (GB). SOMERVILLE, David, Michael, Ruthven [GB/GB]; 93 Lincoln Drive, Aspull, Wigan WN2 1XB (GB).

(54) Title: CLADDING



(57) Abstract: There is disclosed a cladding section (8) for mounting upon an elongate underwater member and suppressing vortex induced vibration of it, the section comprising a unitary plastics moulding shaped to provide a tubular (10) portion for receiving the member, the tubular portion being split along its length at (14) and being deformable to permit the member to be introduced into the tubular portion, and the cladding section having at its exterior at least one feature (12) shaped to suppress vortex induced vibration. Rotational moulding of the cladding section is disclosed. The cladding section has an outer layer (24) incorporating anti-fouling material upon an inner structural layer (26).

WO 2005/024247 A1